

SAFETY DATA SHEET turation-Inducing Steroid (salmonid)

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Multi-region format

Maturation-Inducing Steroid (salmonid) EIA Standard Super

		Standard	Supersedes Revision: 01/14/2007					
	acc	ording to Regulation (EC) No. 1907/2006 as amended by	(EC) No. 1272/2008					
	Section 1.	dentification of the Substance/Mixture and of th	he Company/Undertaking					
1.1	Product Code: Product Name: Synonyms:	498504 Maturation-Inducing Steroid (salmonid) EIA St MIS (salmonid) EIA Standard; 17.alpha.,20.be						
1.2	elevant identified uses of the substance or mixture and uses advised against:							
	Relevant identified uses: For research use only, not for human or veterinary use.							
1.3	Details of the Supplier of the Safety Data Sheet:							
	Company Name:	Cayman Chemical Company 1180 E. Ellsworth Rd. Ann Arbor, MI 48108						
	Web site address:	www.caymanchem.com						
	Information:	Cayman Chemical Company	+1 (734)971-3335					
1.4	Emergency telephone nur	nber:						
	Emergency Contact:	CHEMTREC Within USA and Canada:	+1 (800)424-9300					
		CHEMTREC Outside USA and Canada:	+1 (703)527-3887					
		Section 2. Hazards Identific	ation					
2.2 2.2.1	Label Elements: Labeling according to Re	gulation (EC) No 1272/2008 [CLP]:						
	GHS Signal Word: GHS Hazard Phrases:	Danger						
	H225: Highly flammable li	quid and vapor.						
	GHS Precaution Phrases:							
	P210: Keep away from {heat/sparks/open flames/hot surfaces} No smoking.							
	P280: Wear {protective gloves/protective clothing/eye protection/face protection}.							
	GHS Response Phrases: P303+361+353: IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.							
	GHS Storage and Disposal Phrases:							
	Please refer to Section 71	or Storage and Section 13 for Disposal information.						
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2.3 **Adverse Human Health** Material may be irritating to the mucous membranes and upper respiratory tract. **Effects and Symptoms:**

May be harmful by inhalation, ingestion, or skin absorption.

May cause eye, skin, or respiratory system irritation.

To the best of our knowledge, the toxicological properties have not been thoroughly investigated.

Section 3. Composition/Information on Ingredients

CAS # / RTECS #	Hazardous Components (Chemical Name)/ REACH Registration No.	Concentration	EC No./ EC Index No.	GHS Classification
NA NA	Maturation-Inducing Steroid (salmonid) EIA Standard	< 0.01 %	NA NA	No data available.
64-17-5 KQ6300000	Ethyl alcohol	>99.99 %	200-578-6 603-002-00-5	Flam. Liq. 2: H225

		Section 4. First Aid Measures
l.1	Description of First Aid	No data available.
	Measures:	
	In Case of Inhalation:	Remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Get immediate medical attention.
	In Case of Skin Contact:	Immediately wash skin with soap and plenty of water for at least 15 minutes. Remove contaminate clothing. Get medical attention if symptoms occur. Wash clothing before reuse.
	In Case of Eye Contact:	Hold eyelids apart and flush eyes with plenty of water for at least 15 minutes. Have eyes examined and tested by medical personnel.
	In Case of Ingestion:	Wash out mouth with water provided person is conscious. Never give anything by mouth to an unconscious person. Get medical attention. Do NOT induce vomiting unless directed to do so by medical personnel.
1.2	Important Symptoms and	May cause anemia, cough, CNS depression, drowsiness, headache, heart damage, lassitude
	Effects, Both Acute and	(weakness, exhaustion), liver damage, narcosis, reproductive effects, teratogenic effects.
	Delayed:	
		Section 5. Fire Fighting Measures
5.1	Suitable Extinguishing	Use alcohol-resistant foam, carbon dioxide, water, or dry chemical spray.
	Media:	Use water spray to cool fire-exposed containers.
	• •	A solid water stream may be inefficient.
	Media:	dCon release yoners that form availably a mixtures at temperatures at an above the fleebasist
5.2	•	d Can release vapors that form explosive mixtures at temperatures at or above the flashpoint. Container explosion may occur under fire conditions.
	Hazards:	Emits toxic fumes under fire conditions.
		Sensitive to static discharge.
		Vapors can travel to a source of ignition and flash back.
	Flash Pt:	14.00 C Method Used: Closed Cup
	Explosive Limits:	LEL: 3.3% at 25.0 C UEL: 19.0% at 25.0 C
	Autoignition Pt:	363.00 C
5.3	•	As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent), and full protective gear to prevent contact with skin and eyes. Note: Flammable as diluted in ethanol.
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			Section 6. Ac	cidental Release Me	easures			
6.1	Protecti	ive Precautions,	Avoid breathing vapo	ors and provide adequate venti	lation.			
	Protecti	ve Equipment an	d As conditions warran	s conditions warrant, wear a NIOSH approved self-contained breathing apparatus, or respirator,				
	Emerge	ncy Procedures:	and appropriate pers	onal protection (rubber boots,	safety goggles, and heavy	rubber gloves).		
6.2								
	Precautions:							
6.3			r Contain spill and coll	ect, as appropriate.				
			-	al waste container for disposal	in accordance with local re	equlations.		
	Up:		.9			0		
			Section 7.	Handling and Stor	age			
7.1	Precaut	ions To Be Taken	Avoid breathing dust/	fume/gas/mist/vapours/spray.				
	in Hand	ling:	Avoid prolonged or re	epeated exposure.				
			Keep away from sour	•				
				neasures against static dischar	ge.			
7.2			Keep away from heat	· •				
	in Stori	ng:	Keep container tightly					
				with information listed on the p	roduct insert.			
	Other P	recautions:	Hygroscopic.					
		Sec	tion 8. Exposu	re Controls/Persona	al Protection			
8.1	Exposur	e Parameters:	<u></u>					
	-	i				1_		
CAS		Partial Chemical		Britain EH40	France VL	Europe		
	NA	Maturation-Inducing Steroid (salmonid) EIA Standard		No data.	No data.	No data.		
64	-17-5	Ethyl alcohol		TWA: 1920 mg/m3 (1000 ppm)	TWA: 1900 mg/m3 (1000	No data.		
				STEL: ()	ppm) STEL: 9500 mg/m3 (5000			
					ppm)			
CAS	#	Partial Chemical Name		OSHA TWA		Other Limits		
	NA		ng Steroid (salmonid)	No data.	No data.	No data.		
		EIA Standard						
64	-17-5	Ethyl alcohol		PEL: 1000 ppm	TLV: 1000 ppm	No data.		
8.2		re Controls:		ļ		1		
8.2.1	-	ering Controls	Use process enclosu	res, local exhaust ventilation, c	or other engineering control	s to control airborne		
	-	-	-					
(Ventilation etc.): levels below recommended exposure limits. 8.2.2 Personal protection equipment:								
0.2.2			Safety glasses					
	Eye Protection:		Compatible chemical-resistant gloves					
	Protecti	ve Gloves:						
		ive Gloves: rotective Clothing	-					
	Other P	rotective Clothing	g:Lab coat	-				
	Other P Respira	rotective Clothing tory Equipment	g:Lab coat	pirator, as conditions warrant.				
	Other P Respira (Specify	rotective Clothing tory Equipment / Type):	g:Lab coat NIOSH approved res	pirator, as conditions warrant.				
	Other P Respira (Specify Work/H	rotective Clothing tory Equipment / Type): ygienic/Maintenai	g:Lab coat NIOSH approved res n Do not take internally	pirator, as conditions warrant.	equipped with an evewash	and a safety showe		
	Other P Respira (Specify	rotective Clothing tory Equipment / Type): ygienic/Maintenai	g:Lab coat NIOSH approved res n Do not take internally Facilities storing or ut	pirator, as conditions warrant. ilizing this material should be e	equipped with an eyewash	and a safety showe		
	Other P Respira (Specify Work/H	rotective Clothing tory Equipment / Type): ygienic/Maintenai	g:Lab coat NIOSH approved res n Do not take internally Facilities storing or ut Wash thoroughly afte	pirator, as conditions warrant. ilizing this material should be e	equipped with an eyewash	and a safety showe		
	Other P Respira (Specify Work/H	rotective Clothing tory Equipment / Type): ygienic/Maintenai	g:Lab coat NIOSH approved res n Do not take internally Facilities storing or ut	pirator, as conditions warrant. ilizing this material should be e	equipped with an eyewash a	and a safety showe		
	Other P Respira (Specify Work/H	rotective Clothing tory Equipment / Type): ygienic/Maintenai	g:Lab coat NIOSH approved res n Do not take internally Facilities storing or ut Wash thoroughly afte	pirator, as conditions warrant. ilizing this material should be e	equipped with an eyewash	and a safety shower		

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	S	Section 9. Physical and Chemical Properties				
9.1	Information on Basic Phy	vsical and Chemical Properties				
	Physical States:	[]Gas [X]Liquid []Solid				
	Appearance and Odor:	A solution in ethanol				
	Melting Point:	No data.				
	Boiling Point:	No data.				
	Flash Pt:	14.00 C Method Used: Closed Cup				
	Evaporation Rate:	No data.				
	Explosive Limits:	LEL: 3.3% at 25.0 C UEL: 19.0% at 25.0 C				
	Vapor Pressure (vs. Air o	or mm 43 MM_HG at 20.0 C				
	Hg):					
	Vapor Density (vs. Air =	1): No data.				
	Specific Gravity (Water =	= 1): No data.				
	Solubility in Water:	No data.				
	Autoignition Pt:	363.00 C				
9.2	Other Information					
	Percent Volatile:	No data.				
	Decent to	Section 10. Stability and Reactivity				
10.1	Reactivity:	No data available.				
10.2	Stability:	Unstable [] Stable [X]				
10.3	Stability Note(s):	Stable if stored in accordance with information listed on the product insert.				
	Polymerization:	Will occur [] Will not occur [X]				
10.4	Conditions To Avoid:	heat, flames and sparks				
10.5	Incompatibility - Materia	Is alkali metals				
	To Avoid:	ammonia				
		peroxides				
		strong oxidizing agents				
10.6	Hazardous	carbon dioxide				
	Decomposition Or	carbon monoxide				
	Byproducts:					
		Section 11. Toxicological Information				
11.1	Information on	The toxicological effects of this product have not been thoroughly studied.				
	Toxicological Effects:	Ethanol - Toxicity Data: Oral TDLO (man): 1.14 ml/kg; Oral TDLO (man): 650 mg/kg; Oral LD50				
		(rat): 7,060 mg/kg; Oral LD50 (mouse): 3,450 mg/kg; Oral LD50 (mouse): 10.5 ml/kg; Oral LD50				
	(rabbit): 6,300 mg/kg; Inhalation LC50 (rat): 20,000 ppm (10h); Inhalation TCLO (human): 1,800					
	ppm (30m); Inhalation TCLO (human): 2,500 mg/m3 (20m); Inhalation LC50 (rat): 5,900 mg					
	(6h); Inhalation LCLO (mouse): 29,300 ppm (7h);					
	Ethanol - Irritation Data: Eyes (rabbit): 500 mg (24h) mild; Skin (rabbit): 20 mg (24h) mo					
	Chronic Toxicological	gical Ethanol - Investigated as a mutagen, reproductive effector, and tumorigen.				
	Effects:	Only select Registry of Toxic Effects of Chemical Substances (RTECS) data is presented here.				
		ee actual entry in RTECS for complete information.				
		Ethanol RTECS Number: KQ6300000 NTP? No IARC Monographs? No OSHA Regulated? No				
-	nogenicity:					

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		lazardous Com	oonents (Chemical Name)	NTP	IARC	ACGIH	OSHA	
		Maturation-Induci	ing Steroid (salmonid) EIA Standard	n.a.	n.a.	n.a.	n.a.	
		Ethyl alcohol		n.a.	1	A4	n.a.	
	•		Section 12. Ecologic	al Informat	ion	•		
12.1	Toxicity:		Avoid release into the environment.					
		Runoff from fire control or dilution water may cause pollution.						
12.2	Persistend	ce and	No data available.					
	Degradabi	Degradability:						
12.3	Bioaccum	ulative	No data available.					
	Potential:							
12.4	Mobility in	n Soil:	No data available.					
12.5	Results of	PBT and vPvB	No data available.					
	assessme	nt:						
12.6	Other adve	erse effects:	No data available.					
			Section 13. Disposal	Considerat	ions			
13.1	Waste Dis	posal Method:	Dispose in accordance with local, st	ate, and federal r	egulations.			
			Section 14. Transp	ort Informat	ion			
			Section 14. Transport	ort Informat	ion			
		ANSPORT (US I	оот):	ort Informat	ion			
	OT Proper S	Shipping Name:	POT): Ethyl Alcohol Solution		ion			
D(D(OT Proper S OT Hazard (Shipping Name: Class:	DOT): Ethyl Alcohol Solution 3 FLAMMABLE L	IQUID		1		
D(D(OT Proper S	Shipping Name: Class:	POT): Ethyl Alcohol Solution			II		
DC DC UI	OT Proper S OT Hazard (N/NA Numb	Shipping Name: Class: ber:	POT): Ethyl Alcohol Solution 3 FLAMMABLE L 1170	IQUID		II		
D(D(U) 14.1	OT Proper \$ OT Hazard (N/NA Numb LAND TR/	Shipping Name: Class: ber: ANSPORT (Euro	POT): Ethyl Alcohol Solution 3 FLAMMABLE L 1170	IQUID		II		
D(D(U) 14.1 AI	OT Proper S OT Hazard (N/NA Numb LAND TR/ DR/RID Shij	Shipping Name: Class: ber:	POT): Ethyl Alcohol Solution 3 FLAMMABLE L 1170	IQUID Packing Grou	ıp:	II		
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		Section 15. Regu	latory Information	ation		
EPA SARA (S	Superfund Amendn	nents and Reauthorization Act	of 1986) Lists			
CAS #	Hazardous Com	ponents (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)	
NA	Maturation-Inducing Steroid (salmonid) EIA Standard		No	No	No	
64-17-5	Ethyl alcohol		No	No	No	
CAS #	Hazardous Com	ponents (Chemical Name)	Other US EPA o	r State Lists		
NA	NA Maturation-Inducing Steroid (salmonid) EIA Standard		CAA HAP,ODC: No; CWA NPDES: No; TSCA: No; CA PROP.65: No			
64-17-5	Ethyl alcohol		CAA HAP,ODC: Inventory; CA P	No; CWA NPDES: ROP.65: No	No; TSCA: Yes -	
Regulatory In Statement:	formation	I This SDS was prepared in accordance with 29 CFR 1910.1200 and Regulation (EC) No.1272/2008.				
		Section 16. Ot	her Informatio	on		
Revision Date):	04/07/2015				
Additional Inf This Product:	ormation About	No data available.				
This Product: Company Policy or Disclaimer:		DISCLAIMER: This information is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes.				